

HOUSE HEALTH & HUMAN RESOURCES COMMITTEE AMENDMENT 1

Amendment No. 1 to HB2998

Armstrong
Signature of Sponsor

AMEND Senate Bill No. 2958*

House Bill No. 2998

FILED

Date _____

Time _____

Clerk _____

Comm. Amdt. _____

by deleting all language after the enacting clause and by substituting instead the following:

SECTION 1. Tennessee Code Annotated, Title 68, Chapter 221, Part 4, is amended by adding sections 2 through 5 as new, appropriately numbered sections.

SECTION 2. (a) The department of environment and conversation is directed to coordinate a pilot project study of advanced treatment systems (ATS) over a two-year period. For purposes of this act, ATS are defined as those waste water treatment systems that have been certified and listed by the National Sanitation Foundation as meeting American National Standard Institute/National Sanitation Foundation, "ANSI/NSF" Standard 40 or those systems that have been certified by another third party testing entity acceptable to the commissioner of environment and conservation as meeting ANSI/NSF Standard 40 by a methodology acceptable to the commissioner. The department shall determine which of the existing water and waste water treatment authorities created pursuant to Tennessee Code Annotated, Section 68-221-601, et seq. ("Authority") wish to participate in this study. The department and any participating authorities shall develop a detailed plan for the pilot project study. Any authorities created after the initiation of the study shall be eligible to participate on the same terms as the existing authorities. The study shall be conducted as follows:

(1) It shall only be conducted in counties, municipalities, or metropolitan governments that have established an authority;

(2) The costs of the study shall be borne by the participating authorities, the owners of ATS, and the manufacturers;

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(3) During the term of the study, the manufacturer shall conduct quarterly sampling and analysis of the effluent to determine if the level of CBOD₅ is no higher than 25 mg/l and the level of TSS is no higher than 30mg/l and perform any necessary repairs if any sample result exceeds either of those limits;

(4) The ATS shall only be installed on lots that meet the requirements of the rules promulgated pursuant to this act provided however, that lots may be eligible for the study if the primary disposal area meets the requirements of Appendix II of the rules after considering the reductions specified in subdivision (b)(6) of this section and the duplicate area meets the requirements of Appendix II for a conventional system;

(5) The participating authorities and the department shall approve and oversee the installation of all ATS;

(6) The participating authorities shall receive and maintain the reports of operation and maintenance (O & M) on all ATS; and

(7) The participating authorities shall perform O & M on any ATS during the term of the study in the event the owner and the manufacturer fail to perform O & M and shall have the right to enter upon private property during reasonable business hours for this purpose.

(b) The purposes of the study are:

(1) To determine whether any reduction in field lines for final dispersal of effluent from ATS is appropriate as compared to the requirements for conventional systems, and if so, how much;

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(2) To test the performance of ATS and the effluent dispersal from ATS in the different conditions that occur in Tennessee by conducting studies in at least each of the three (3) grand divisions and including evaluation of sandy soils, clay soils, pan soils, and sloped installations;

(3) To determine the necessary interval for maintenance on ATS;

(4) To evaluate the impact on the quality of effluent from ATS of various factors that may occur in daily use such as disposal of household cleaners and other chemicals, vacations during which there is no flow through the system, etc.;

(5) To evaluate through surveys of other states, a review of literature or other means, what mechanism would be best to insure that O & M of ATS would occur throughout the life of the systems; and

(6) Without limiting any of the foregoing including studying other sizes of area for field lines, the study shall specifically evaluate whether the following reductions in area of field lines for disposal of effluent from ATS are appropriate:

(A) Forty percent (40%) in soils determined by a certified soil scientist to have an absorption rate of sixty (60) minutes per inch or less;

(B) Thirty percent (30%) in soils determined by a certified soil scientist to have an absorption rate of sixty-one (61) through seventy-five (75) minutes per inch; and

(C) Twenty percent (20%) in soils determined by a certified soil scientist to have an absorption rate greater than seventy-five (75) minutes

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per inch but which qualify for a permit under the requirements of

Tennessee Code Annotated, Section 68-221-403(c)(1) through (5).

SECTION 3. All ATS installed are subject to the following requirements:

(a) A technician certified by the manufacturer shall install or personally supervise the installation of each ATS and associated field lines. Once an ATS is installed pursuant to this act, the owner of the property shall perpetually operate and maintain it properly. This requirement shall run with the land and be binding upon all future owners of the property. A technician certified by the manufacturer shall perform this O & M on the ATS.

(b) Routine O & M shall be performed at three (3) month intervals.

(c) The manufacturer shall execute a four-year O & M contract with the owner of each ATS sold and installed. The costs of such contract shall be included in the original price of the installed ATS. The contract shall require that the manufacturer provide the following services, unless the damage or failure is caused by abuse by the homeowner or a third party outside the control of the manufacturer or technician:

(1) All manufacturer required or recommended mechanical and physical inspections and adjustments;

(2) The inspecting, repair, and cleaning or replacement of any filters or mechanical components, as required or as may be necessary;

(3) Service calls at request of owner to inspect, adjust, repair, or replace components;

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(4) Any necessary repairs to the effluent disposal system
associated with the ATS; and

(5) Measure the sludge and pump it out and properly dispose of it,
when necessary.

SECTION 4. Failure of a property owner to conduct O & M as required by this
act or to maintain an O & M contract for an ATS shall constitute an offense punishable
as a class C misdemeanor.

SECTION 5. The department is further directed to incorporate the results of this
study into its regulations for subsurface sewage disposal systems so that ATS will be
allowed as an alternative method of sewage disposal under appropriate conditions.

SECTION 6. This act shall take effect July 1, 2000, the public welfare requiring
it.